

COS15-023R Storm/Flood Damage – Repair and Debris Removal

Pre Bid Meeting
July 2, 2015



Project Statement



COS15-023R *(This presentation is for informational purposes only.)*

The City of Surprise is seeking bids to remove flood debris from ten sites and the repair of flood damage at two other sites. The bids will be submitted as a lump sums for each site as described in the individual scopes of work.

Task 1: Cactus and Citrus



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or tools required to remove any and all debris, silt, and/or other flow impediments built up at the culvert upstream inlets, downstream outlets, and inside the culvert barrel(s). The cleaning shall be performed in a manner that will not damage the existing culvert, aprons, and/or channel. The contractor shall remove all debris at the culvert ends, headwalls, and wing walls. The box culvert consists of 4 each 10'X4' barrels 80' long. Barrels 1, 2, 3, and 4 contain approximately 60 cubic yards each. The total is approximately 240 cubic yards of debris material.

Task 1: Cactus and Citrus



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Task 2: Cactus and Reems



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or tools required to remove any and all debris, silt, and/or other flow impediments built up at the culvert upstream inlets, downstream outlets, and inside the culvert barrel(s). The cleaning shall be performed in a manner that will not damage the existing culvert, aprons, and/or channel. The contractor shall remove all debris at the culvert ends, headwalls, and wing walls. The box culvert consists of 4 each 10'X4' barrels, 80' long. Barrels 1, 2, 3, and 4 contain approximately 112 cubic yards each. The total is approximately 448 cubic yards of debris material.

Task 2: Cactus and Reems



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Task 3: Litchfield and Statler



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or tools required to remove any and all debris, silt, and/or other flow impediments built up at the culvert upstream inlets, downstream outlets, and inside the culvert barrel(s). The cleaning shall be performed in a manner that will not damage the existing culvert, aprons, and/or channel. The contractor shall remove all debris at the culvert ends, headwalls, and wing walls. The box culvert consists of 2 each 10'X4' barrels 140' long. Barrels 1 and 2 contain approximately 208 cubic yards.

Task 3: Litchfield and Statler



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Task 4: Litchfield and Greenway



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or tools required to remove any and all debris, silt, and/or other flow impediments built up at the culvert upstream inlets, downstream outlets, and inside the culvert barrel(s). The cleaning shall be performed in a manner that will not damage the existing culvert, aprons, and/or channel. The contractor shall remove all debris at the culvert ends, headwalls, and wing walls. The box culvert consists of 2 each 10'X4' barrels 80' long. Barrels 1 and 2 contain approximately 119 cubic yards.

Task 4: Litchfield and Greenway



Task 4: Litchfield and Greenway



Task 5: Jomax and 163rd Ave



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or tools required to remove any and all debris, silt, and/or other flow impediments built up at the culvert upstream inlets, downstream outlets, and inside the culvert barrel(s). The cleaning shall be performed in a manner that will not damage the existing culvert, aprons, and/or channel. The contractor shall remove all debris at the culvert ends, headwalls, and wing walls. The box culvert consists of 5 each 8'X3' barrels 154' long. Barrels 1 and 2 contain approx. 80 cubic yards each of debris and barrel 3 contains approximately 23 cubic yards of debris. The total is approximately 183 cubic yards of debris material.

Task 5: Jomax and 163rd Ave



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Task 6: Civic Center and Greenway



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or tools required to remove any and all debris, silt, and/or other flow impediments built up at the culvert upstream inlets, downstream outlets, and inside the culvert barrel(s). The cleaning shall be performed in a manner that will not damage the existing culvert, aprons, and/or channel. The contractor shall remove all debris at the culvert ends, headwalls, and wing walls. The box culvert consists of 1 each 8'X3' barrel 153' long. Barrel 1 contains approximately 46 cubic yards.

Task 6: Civic Center and Greenway



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Task 7: Cactus and 175th



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or tools required to remove any and all debris, silt, and/or other flow impediments built up at the culvert upstream inlets, downstream outlets, and inside the culvert barrel(s). The cleaning shall be performed in a manner that will not damage the existing culvert, aprons, and/or channel. The contractor shall remove all debris at the culvert ends, headwalls, and wing walls. The box culvert consists of 3 each 10'X4' barrels 66' long. Barrels 1, 2, and 3 contain approximately 18.5 cubic yards each. The total is approximately 55.5 cubic yards of debris material.

Task 7: Cactus and 175th



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Task 8: Bell Rd/Agua Fria River Bridge



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or tools to remove any and all debris including sand, silt, and/or other flow impediments built up at the bridge upstream inlets, downstream outlets, and under the bridge. The removal shall be performed in a manner that will not damage the existing embankments, aprons, and/or channel. The contractor shall remove all debris at the bridge ends, headwalls and wing walls. The Contractor shall be responsible to repair/replace any damage caused by the debris removal process.

Task 8: Bell Rd/Agua Fria River Bridge



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Task 9: Deer Valley Bridge 7553



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or tools to remove any and all debris including sand, silt, and/or other flow impediments built up at the bridge upstream inlets, downstream outlets, and under the bridge. The removal shall be performed in a manner that will not damage the existing embankments, aprons, and/or channel. The contractor shall remove all debris at the bridge ends, headwalls and wing walls. The Contractor shall be responsible to repair/replace any damage caused by the debris removal process.

Task 9: Deer Valley Bridge 7553



Task 10: Deer Valley Bridge 7855



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or tools to remove any and all debris including sand, silt, and/or other flow impediments built up at the bridge upstream inlets, downstream outlets, and under the bridge. The removal shall be performed in a manner that will not damage the existing embankments, aprons, and/or channel. The contractor shall remove all debris at the bridge ends, headwalls and wing walls. The Contractor shall be responsible to repair/replace any damage caused by the debris removal process.

Task 10: Deer Valley Bridge 7855



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Task 11: Cactus and Citrus (slope/berm restoration)



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or The Contractor is to furnish all labor, required material, equipment, and/or tools to repair the storm damage on both sides of Citrus. All erosion on adjacent embankments to the box culvert shall be repaired and re-compacted. The earthen berm located west of the structure must be re-built using compacted material and compacted to 95%. Existing broken or failing concrete and asphalt roadway near the culvert will be removed and replaced with new per MAG specifications and details. Approximately 20' of curbing has been displaced on the west side of the roadway. The concrete vault will be re-leveled and re-supported. The irrigation and granite will be repaired or replaced.

Task 11: Cactus and Citrus (slope/berm restoration)



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Task 12: Cactus and Reems (slope/berm restoration)



SCOPE: The Contractor is to furnish all labor, required material, equipment, and/or tools required to complete the project. All erosion on adjacent embankments to the box culvert shall be repaired and re-compacted. The earthen berm located north of the structure must be re-built using compacted material and compacted to 95%. Existing broken or failing concrete and asphalt roadway near the culvert will be removed and replaced with new per MAG specifications and details. Approximately 30' of curbing has been displaced.

Task 12: Cactus and Reems (slope/berm restoration)

